



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 20 90 48 55

Classification of the application (IPC):

F24F 11/30, F24F 11/62, G06T 7/10, F24F 11/74, F24F 11/79, F24F 130/00,
G06T 7/12, F24F 110/10

Technical fields searched (IPC):

F24F

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	KR 20190092987 A (LG ELECTRONICS INC [KR]) 08 August 2019 (2019-08-08)	1, 2, 4, 7, 8, 10
Y	* the whole document *	3, 9
X	KR 20190026500 A (LG ELECTRONICS INC [KR]) 13 March 2019 (2019-03-13)	1, 5-7, 11, 12, 14
Y	* paragraphs [0037] - [0074], [0099]; claim 1 *	13, 15
Y	WO 2015063867 A1 (MITSUBISHI ELECTRIC CORP [JP]) 07 May 2015 (2015-05-07) * paragraph [0031]; claim 1 *	3, 9
Y	JP 2017203581 A (HITACHI JOHNSON CONTROLS AIR CONDITIONING INC) 16 November 2017 (2017-11-16) * paragraphs [0013] - [0017]; figures 1,2 *	13, 15
X	JP 2013108671 A (MITSUBISHI ELECTRIC CORP) 06 June 2013 (2013-06-06) * paragraphs [0044] - [0046]; claim 1; figures 1-8 *	1, 7
A	US 2018268220 A1 (LEE CHEN-YU [US] ET AL) 20 September 2018 (2018-09-20) * paragraph [0029]; figures 1,2 *	1
A	JP S6029540 A (TOSHIBA KK) 14 February 1985 (1985-02-14) * claim 1 *	5, 6, 11, 12, 14

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search Munich	Date of completion of the search 23 November 2023	Examiner Blot, Pierre-Edouard
---------------------------	--	----------------------------------

CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone	P: intermediate document
Y: particularly relevant if combined with another document of the same category	T: theory or principle underlying the invention
A: technological background	E: earlier patent document, but published on, or after the filing date
O: non-written disclosure	D: document cited in the application
& : member of the same patent family, corresponding document	L: document cited for other reasons

Disclaimer: this document has been automatically generated using data structured in accordance with WIPO standard ST.36 from the database of search reports of the European Patent Office. For technical reasons, its content and layout may differ from that of the original publication. Only the original published information is legally binding.


**ANNEX TO SUPPLEMENTARY EUROPEAN
SEARCH REPORT**

 Application number:
EP 20 90 48 55

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 23-11-2023
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
KR 20190092987	A	08-08-2019	NONE	
KR 20190026500	A	13-03-2019	NONE	
WO2015063867	A1	07-05-2015	CN 105683667 A CN 204254762 U JP 5999275 B2 JP WO2015063867 A1 TW 201516349 A WO 2015063867 A1	15-06-2016 08-04-2015 28-09-2016 09-03-2017 01-05-2015 07-05-2015
JP 2017203581	A	16-11-2017	JP 6746202 B2 JP 2017203581 A	26-08-2020 16-11-2017
JP 2013108671	A	06-06-2013	JP 5697583 B2 JP 2013108671 A	08-04-2015 06-06-2013
US 2018268220	A1	20-09-2018	AU 2018236433 A1 AU 2022203390 A1 AU 2022203838 A1 CA 3055597 A1 CN 110419049 A CN 117893680 A EP 3596659 A1 IL 268913 A IL 289588 A JP 6929953 B2 JP 7135180 B2 JP 7305859 B2 JP 2020514890 A JP 2021176109 A JP 2022171705 A KR 20190128190 A KR 20210113443 A US 2018268220 A1 US 2020234051 A1 US 2023394315 A1 WO 2018170421 A1	12-09-2019 09-06-2022 23-06-2022 20-09-2018 05-11-2019 16-04-2024 22-01-2020 31-10-2019 01-03-2022 01-09-2021 12-09-2022 10-07-2023 21-05-2020 04-11-2021 11-11-2022 15-11-2019 15-09-2021 20-09-2018 23-07-2020 07-12-2023 20-09-2018
JP S6029540	A	14-02-1985	JP H025981 B2 JP S6029540 A	06-02-1990 14-02-1985